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(54) COMMUNICATION METHOD, COMMUNICATION SYSTEM AND COMMUNICATION EQUIPMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To appropriately set a modulation system and transmission rate by exactly reporting a measurement result of communication quality to a transmitting side when a communication system in which the transmitting side adaptively sets the modulation system and the transmission rate based on a result by measurement of the communication quality by a receiving side is taken.

SOLUTION: An ACK/NACK counting part 12 on the transmitting side counts the number of ACK/NACK signals which the receiving side returns corresponding to presence/absence of a packet error and an ACK/NACK demodulation part 10 demodulates for over prescribed time and calculates a packet error rate. In addition, hard decision thresholds of each bit value of communication quality information which the receiving side measures and transmits from a receiving result of a pilot signal in a CQI demodulation part 13 are adjusted by predicting each bit value of the communication quality information based on its result of the calculated packet error rate.

